## Building Management System Upgrade and Telecomm Room HVAC

Uinta Basin Applied Technology College



State of Utah—Department of Administrative Services

## DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

4110 State Office Building / Salt Lake City, Utah 84114 / 538-3018

## DFCM PROJECT NO. 05080250 CONSTRUCTION DRAWINGS

175 South Main Street, Suite 300 Salt Lake City, Utah 84111 801-328-5151 800-678-7077 FAX 801-328-5155 www.spectrum-engineers.com

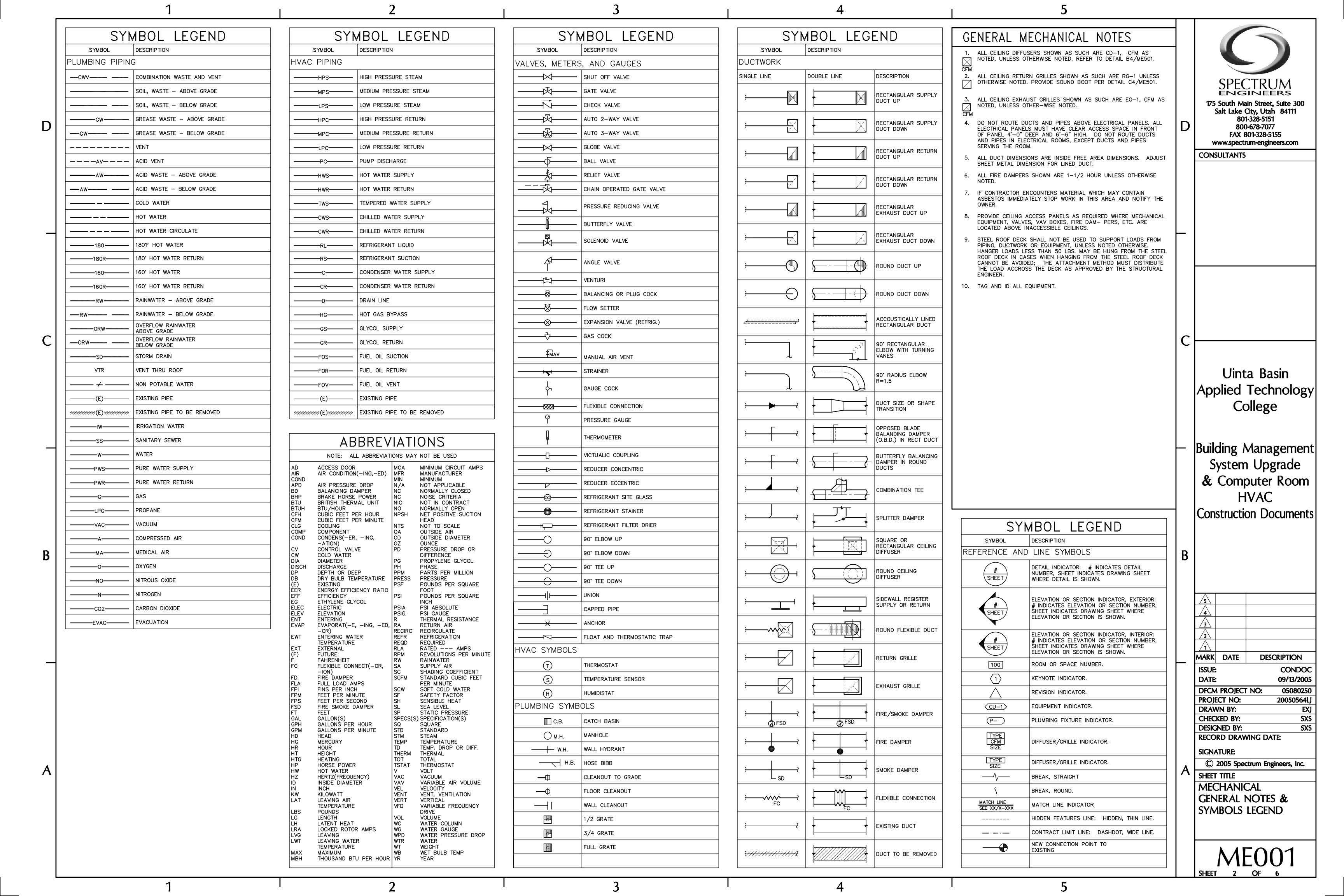
INDEX OF DRAWINGS

COVER COVER SHEET

MECHANICAL GENERAL NOTES AND SYMBOLS LEGEND MECHANICAL SCHDULE AND DETAIL

MH101 MECHANICAL DEMOLITION PLAN AND MECHANICAL PLAN

ELECTRICAL SYMBOL SCHEDULE EP101 POWER PLAN AND SCHEDULES



_	1	2	3		4		5	
	GRILLES, REGISTERS AND DIFFUSERS		ROOFTOP HEATING AND COOLING UNITS (NATURAL GAS)					
	SYM         MANUF         MODEL         SIZE         CFM         NC           CD-1         EH PRICE         SCDA         125 9 x 9 250 250 250 250 250 250 250 250 250 250	FOR SURFACE OR LAY-IN  E. LAY-IN FRAMES SHALL  ' AS REQUIRED TO FIT CEILING TILE  ECK ADAPTER.  RTU-2	MANUFACTURER MODEL NO.  CARRIER 48TMD006  CARRIER 48TMD006	1950 0.70 (74,000) 4 1950 0.70 (74,000) 4	CAPACTIY (2) OUTSIDE COOLING (MBH) AIR OUTPUT SENS TOTAL SETTING 44990 47.66 48.52 200 44990 47.66 48.52 200	ELECTRICAL           VOLTS/         MIN         MAX           PHASE/         CIRCUIT         WEIGHT           AMP.         (LBS)           208/3/60         28.9         750           208/3/60         28.9         750	MAX DIMENSION HxWxL (INCHES) COMMENTS  74 x 45 x 34 (1) (2) (3) (4)  75 x 45 x 34 (1) (2) (3) (4)	SPECTRUM ENGINEERS  175 South Main Street, Suite 300 Salt Lake City, Utah 84111 801-328-5151
D	RG-1 EH PRICE PDDR 10 x 22 625 30 BY CEILING TYPE. LAY-IN FRAMES HSL 18 900 QUANTITY SHALL MATCH ROOM SUPPLY 20 x 20 1000 22 x 22 1320	MOVABLE FACE & CORE.  -IN MOUNTING AS REQUIRED  BE 24" x 24", 24" x 12" OR  TILE SPACE AVAILABLE. AIR  (2) 100% OUTSIDE A  (3) BASED ON 95 D  (4) PROVIDE SPRING	SED ON 5100 FEET ELEVATION. CAPACITIES IR ECONOMIZER AND 100% FULLY MODULATI EG F AMBIENT TEMPERATURE, 80 DB / 62 VIBRATION ISOLATION CURB.	NG CENTRIFUGAL POWER EXHAUST				800-678-7077 FAX 801-328-5155 www.spectrum-engineers.com  CONSULTANTS
								_
				SUPPORT FROM STRUC	<u></u>	SHEET METAL BOOT ACOUSTICAL INSULAT (BOOT WIDTH SAME A	LINE WITH 1" TON AS GRILLE WIDTH)	
С				OPEN INTO RETURN AIR I ABOVE CEILING DIRECT A' ANY NOISE SOURCE	3/4 W   -   -   -   -	RETURN AIR GRILLE S FOR SIZE AND LOCAT	SEE PLANS TION	Uinta Basin Applied Technology College
				SUPPORT TO STRUCTURE INSULATION DRAW BAND—DUCT DRAW BAND—		SPIN IN FITTING WITH BALDAMPER. SEE SPEC.	ANCING	- Building Management System Upgrade
				FLEXIBLE DUCT  ROUND NECK SAME AS D  CEILING DIFFUSER WITH SO TO ROUND NECK ADAPTO		SHEET METAL SUPPLY DUCT. SEE PLANS FOR SIZ	ZE	& Computer Room HVAC Construction Documents
В				SEE PLAN FOR NECK SIZE AND LOCATION	ZE	LINE WITH 1" OF ACOUSTICAL INSULATION  SEE PLAN FOR DUCT SIZE	·	B
				O.B.D.  LAY-IN TEE BAR CEILING-	G DIFFUSER DETAI	SHEET ROCK CEILING  NOTES:  SURFACE MOUNT  1. EXHA 2. EITH	AUST AND RETURN GRILLES ARE SIMILAR. ER METHOD IS ACCEPTABLE	1  MARK DATE DESCRIPTION
					W	ROOFTOP AIR CONDITION	NER	ISSUE: CONDOC DATE: 09/13/2005  DFCM PROJECT NO: 05080250 PROJECT NO: 20050564LJ DRAWN BY: EXJ CHECKED BY: SXS
A				PATCH AND REPAIR EXISTING ROOF TO ACCOMMODATE NEW ROOFTOP UNITS.		WEATHER SEAL  MASON CMSR CURB EQUE BASE WITH SPRINGS  WEATHER SEAL  CURB FURNISHED WITH A FLASH INTO ROOF.  EXISTING ROOF INSULATI  EXISTING ROOF  PROVIDE FLEXIBLE CONN ON DUCTS	A/C UNIT ION	DESIGNED BY:  DESIGNED BY:  RECORD DRAWING DATE:  SIGNATURE:  © 2005 Spectrum Engineers, Inc.  SHEET TITLE  MECHANICAL  SCHEDULES  & DETAILS
	1	2	3	ROOFTC SCALE: NOT TO SC	OP UNIT ON SPRINGE		<u>IL</u> 5	ME501 SHEET 3 OF 6

